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Thermococcus litoralis DNA polymerase, (exo-) *Pyrococcus furiosus* DNA polymerase, and (exo-) *Pyrococcus* GB-D DNA polymerase.

82. A method according to Claim 78, wherein said second DNA polymerase is *Thermus aquaticus* DNA polymerase.--

REMARKS

Claims 37 to 40 and 42 to 46 have been amended to include italics for organism names. These amendments are formal in nature and do not in any way change the scope of these claims and do not impact how the Doctrine of Equivalents may be applied to these claims.

Claims 52 through 82 have been added in view of telephone discussions with Examiner Campbell on December 4, 9, and 10, 1997. On December 4 and 9, 1997, Examiner Campbell agreed to the addition of composition claims that were pending in previously copending application Serial No. 08/164,290 (the '290 application). Accordingly, claims 52 to 74 have been added. The only differences between the previously pending claims in the '290 application and the presently added claims 52 to 74 is that the words "a mixture containing" from the first two lines of claim 1 of the '290 application are not included in new claim 52, and a typographical error was corrected in claim 48 of the '290 application (now new claim 73). This change is not made in response to any rejection, and claim 52 still encompasses mixtures containing the recited polymerases.

Also, on December 4 and 9, 1997, Examiner Campbell agreed to the addition of "method of synthesizing" claims that correspond to the "method of amplifying" claims that were pending in the present application. Applicants have also added a "method of synthesizing" claim that corresponds to previously pending "method of amplifying" claim 41 in the present application (see new claim 80). Claim 41 had been canceled in the present application in view of a "method of amplifying" claim in the issued U.S. Patent No. 5,556,772 (the '772 patent). Since the '772 patent did not include "method of synthesizing" claims, claim 80 has also been added in this Supplemental Amendment.

In the December 4, 1997, telephone discussion, Examiner Campbell indicated that the Amendment filed on August 25, 1997, placed this application in condition for allowance. He also agreed that the composition claims and method of synthesizing claims discussed above could be added in an amendment under § 312. In the telephone discussions on December 9 and 10, 1997, Examiner Campbell again indicated that the Amendment filed on August 25, 1997, placed this application in condition for allowance, but indicated that he was withdrawing the finality of the February 24, 1997, Office Action, so that applicants could submit the composition claims of the '290 application into the present application by way of this Supplemental Amendment.¹ Accordingly, they are now being added.

¹ Examiner Campbell had requested that the composition claims from the '290 application be added to the present application in order to expedite prosecution. Applicants agreed to add the composition claims into the present application in response to that request.

As noted in the Express Abandonment that was filed in the '290 application, applicants agreed to move the composition claims from the '290 application to the present application to expedite prosecution and this action is not an acquiescence to any rejection.

If there are any fees due in connection with the filing of this paper, please charge the fees to our Deposit Account No. 06-0916. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such an extension is requested and the fee should also be charged to our Deposit Account 06-0916.

Respectfully submitted,

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